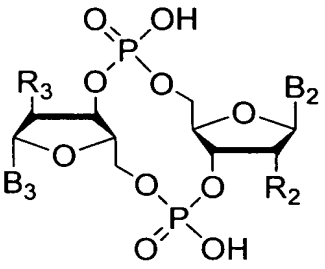
CLAIMS

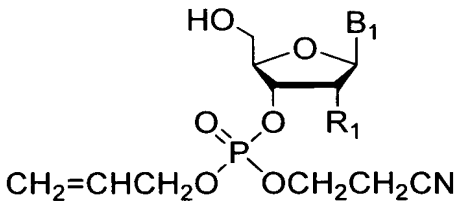
1. A method for synthesizing a compound represented by Formula [2]:



[2]

wherein R_2 and R_3 each independently represent a hydrogen atom, a halogen atom, a methoxy group, a 2-methoxyethoxy group or a hydroxyl group; and B_2 and B_3 each independently represent a nucleic acid base,

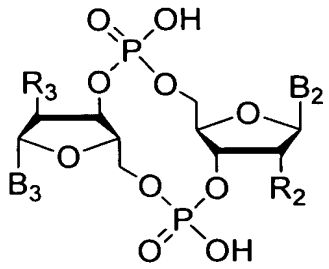
or a salt thereof from a compound represented by Formula [1]:



[1]

wherein R_1 represents a hydrogen atom, a halogen atom, a methoxy group, a 2-methoxyethoxy group, or a hydroxyl group substituted with a hydroxyl protective group; and B_1 represents a nucleic acid base which may be protected.

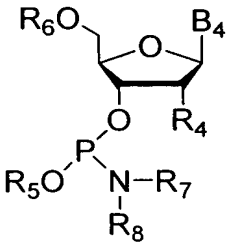
2. A method for synthesizing a compound represented by Formula [2]:



[2]

wherein R_2, R_3, B_2 and B_3 have the same meanings as defined for R_2, R_3, B_2 and B_3 of Formula [2] in claim 1 above,

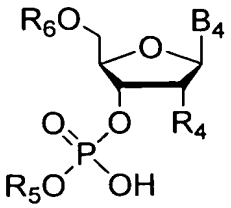
or a salt thereof from a compound represented by Formula [3]:



[3]

wherein R_4 represents a hydrogen atom, a halogen atom, a methoxy group, a 2-methoxyethoxy group, or a hydroxyl group substituted with a hydroxyl protecting group; B_4 represents a nucleic acid base which may be protected; R_5 represents an allyl group or a 2-cyanoethyl group; R_6 represents a hydroxyl protecting group; and R_7 and R_8 each independently represent an alkyl group having 1 to 4 carbon atoms, or R_7 and R_8 may be bonded to form a ring containing a nitrogen atom,

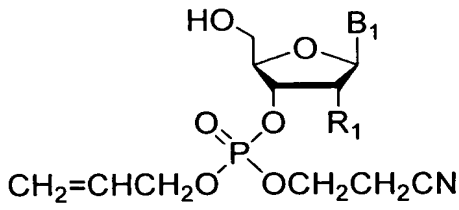
or a compound represented by Formula [4]:



[4]

wherein R_4, R_5, R_6 and B_4 have the same meanings as defined for R_4, R_5, R_6 and B_4 of Formula [3] above,

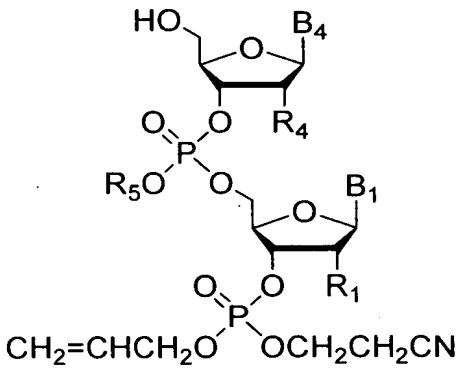
and from a compound represented by Formula [1]:



[1]

wherein R_1 and B_1 have the same meanings as defined for R_1 and B_1 of Formula [1] in claim 1 above.

3. The method according to claim 1 or 2, wherein the synthetic intermediate is a compound represented by Formula [5]:

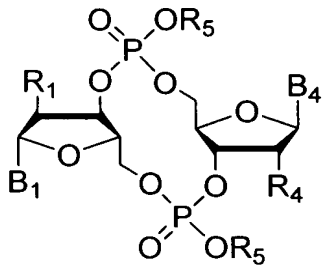


[5]

wherein R_1 and R_4 each independently represent a hydrogen atom, a halogen atom, a methoxy group, a 2-methoxyethoxy group, or a hydroxyl group substituted with a hydroxyl

protecting group; B_1 and B_4 each independently represent a nucleic acid base which may be protected; and R_5 is an allyl group or a 2-cyanoethyl group.

4. The method according to claim 1 or 2, wherein the synthetic intermediate is a compound represented by Formula [6]:



[6]

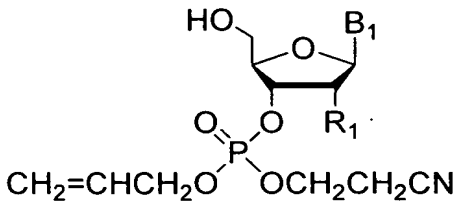
wherein R_1, R_4, R_5, B_1 and B_4 have the same meanings as defined for R_1, R_4, R_5, B_1 and B_4 of Formula [5] in the previous claim.

5. The method according to claim 1, wherein with respect to Formula [1], R_1 is a hydrogen atom, a fluorine atom, a methoxy group, a 2-methoxyethoxy group or a t-butyldimethylsilyloxy group; and with respect to Formula [2], R_2 and R_3 each independently represent a hydrogen atom, a fluorine atom, a methoxy group, a 2-methoxyethoxy group or a hydroxyl group.

6. The method according to claim 2, wherein with respect to Formulas [1], [3] and [4], R_1 and R_4 each independently represent a hydrogen atom, a fluorine atom, a methoxy group,

a 2-methoxyethoxy group or a t-butyldimethylsilyloxy group; and with respect to Formula [2], R_2 and R_3 each independently represent a hydrogen atom, a fluorine atom, a methoxy group, a 2-methoxyethoxy group or a hydroxyl group.

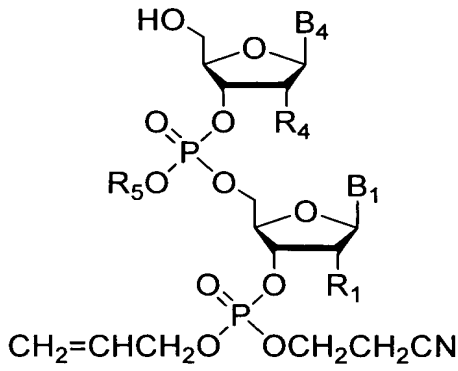
7. A compound represented by Formula [1]:



[1]

wherein R_1 has the same meaning as defined for R_1 of Formula [1] in claim 1 above; and B_1 represents a nucleic acid base which may be protected.

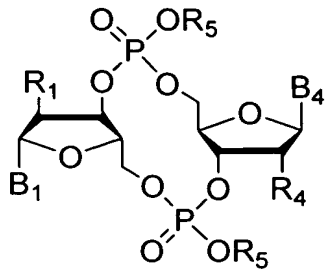
8. A compound represented by Formula [5]:



[5]

wherein R_1, R_4, R_5, B_1 and B_4 have the same meanings as defined for R_1, R_4, R_5, B_1 and B_4 of Formula [5] in claim 3 above.

9. A compound represented by Formula [6]:



[6]

wherein R_1, R_4, R_5, B_1 and B_4 have the same meanings as defined for R_1, R_4, R_5, B_1 and B_4 of Formula [6] in claim 4 above.